

FIG. 1A

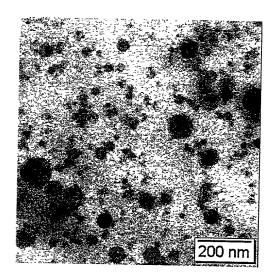


FIG. 1B

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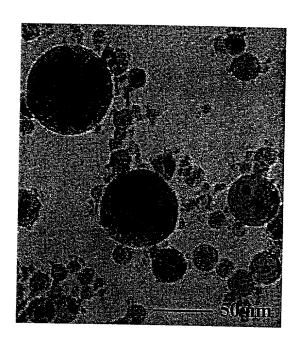


FIG. 2A

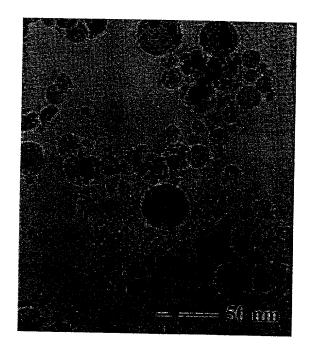


FIG. 2B

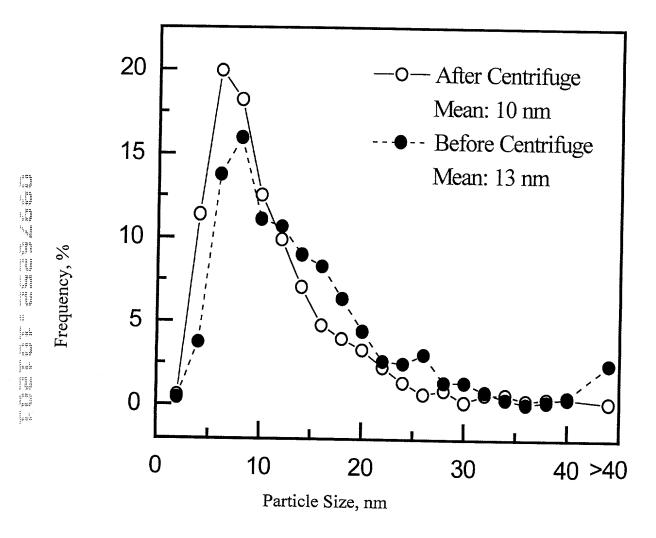


FIG. 2C

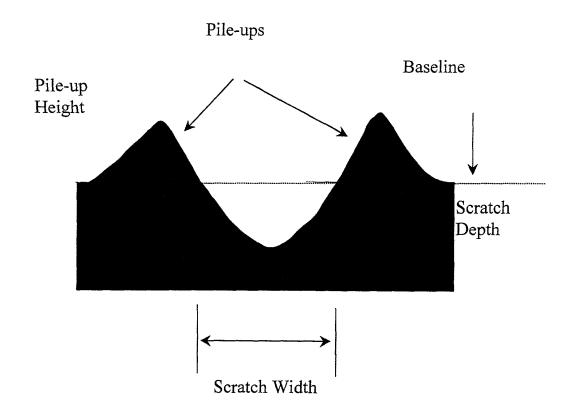
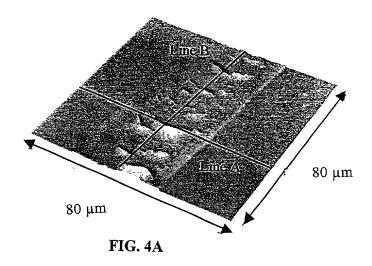
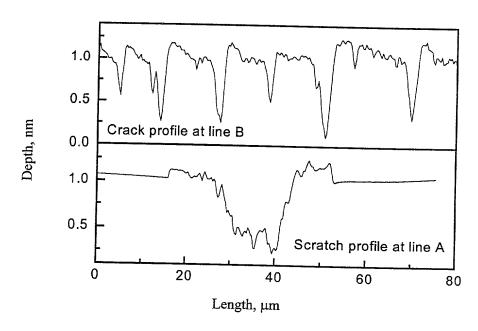


FIG. 3

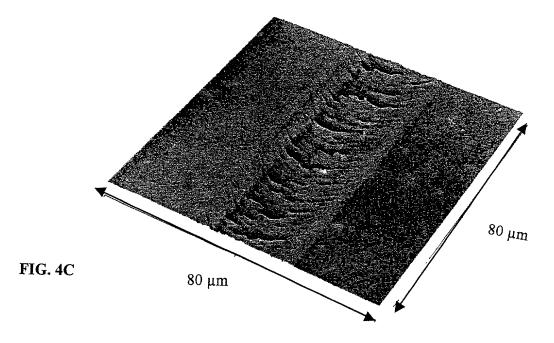
Siegel et al. Docket No. 0094.050

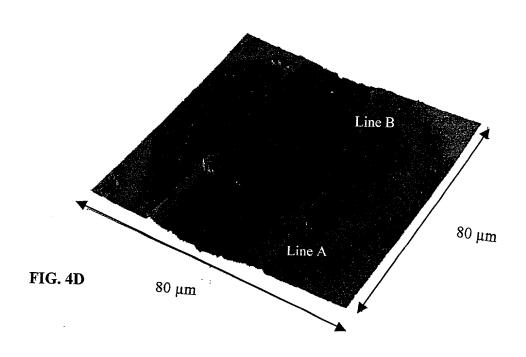




(a)

FIG. 4B





Siegel et al. Docket No. 0094.050

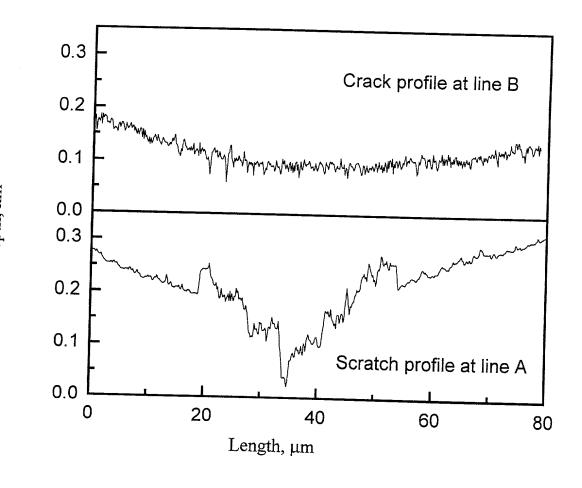


FIG. 4E

Concentration of as-received Al<sub>2</sub>O<sub>3</sub> in the dry gel film, wt%

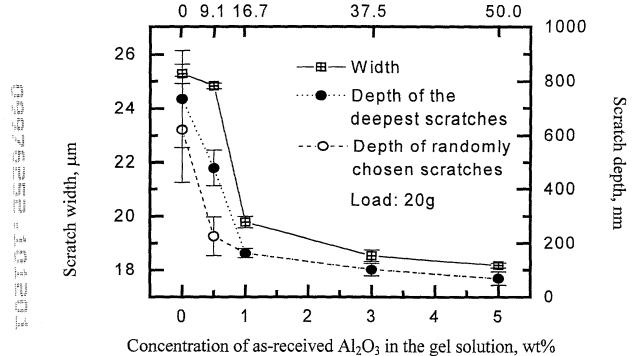


FIG. 5

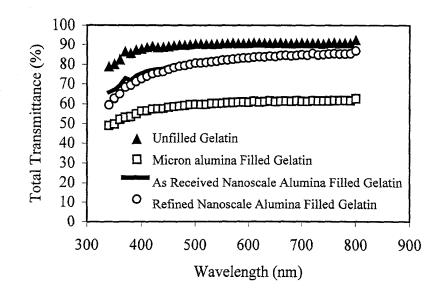


FIG. 6

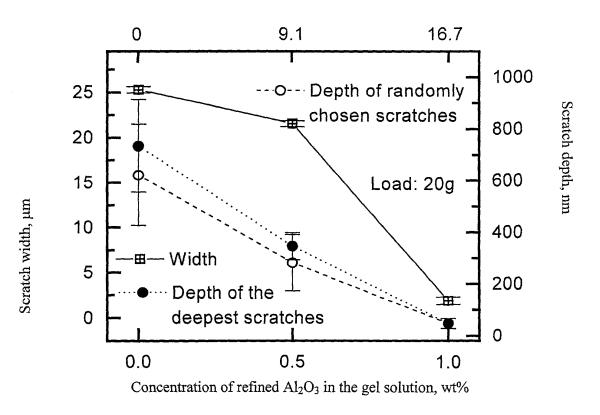
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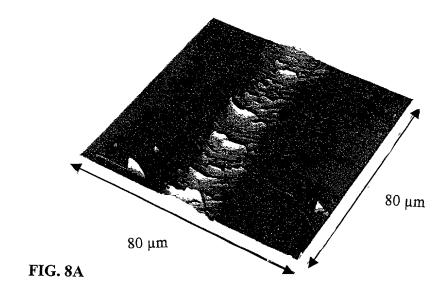
Siegel et al. Docket No. 0094.050

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### Concentration of refined Al<sub>2</sub>O<sub>3</sub> in the dry gel film, wt%



**FIG.** 7



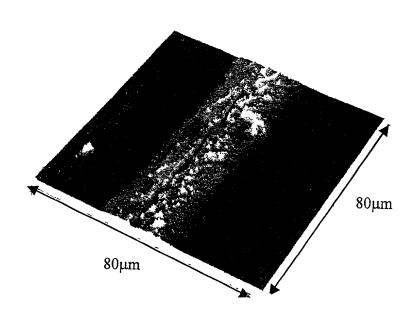
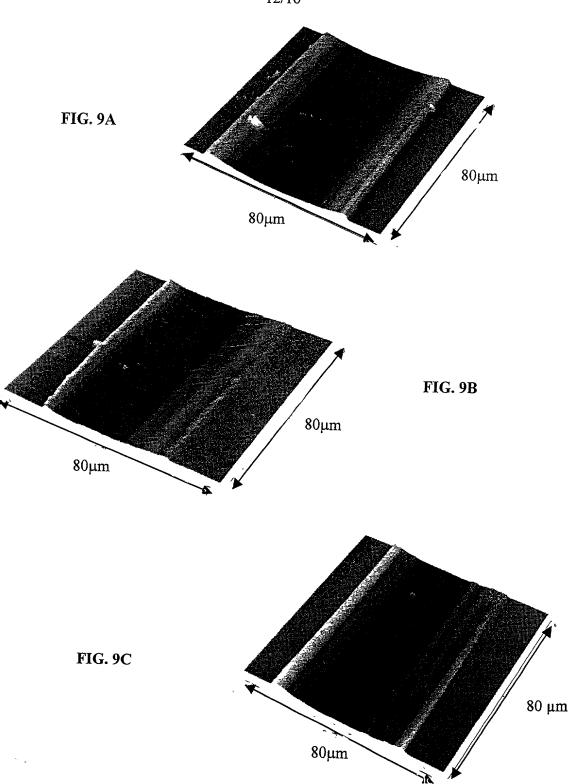


FIG. 8B

Siegel et al. Docket No. 0094.050





Concentration of as-received Al<sub>2</sub>O<sub>3</sub> in the dry gel film, wt%

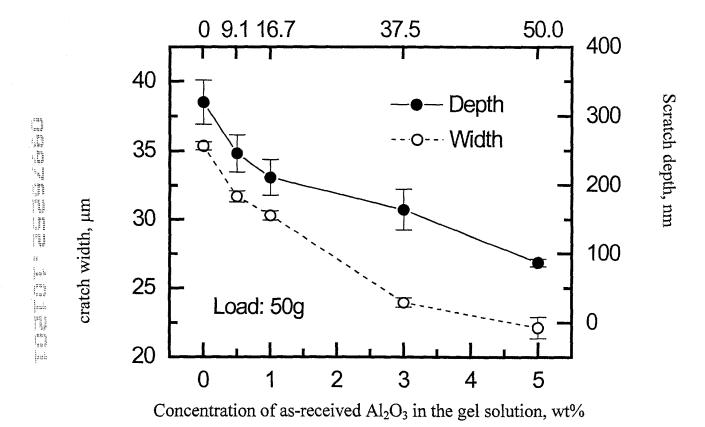
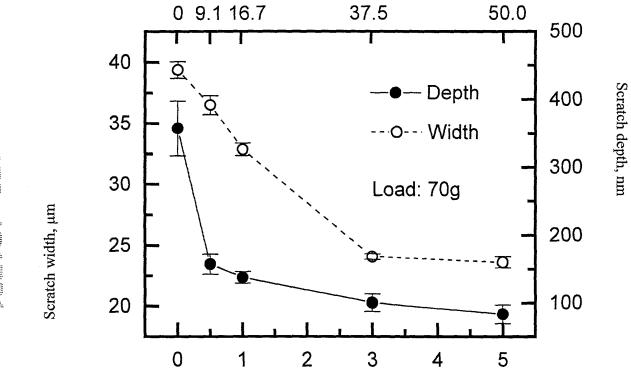


FIG. 10

Siegel et al. Docket No. 0094.050

Concentration of refined Al<sub>2</sub>O<sub>3</sub> in the dry gel film, wt%



Concentration of refined Al<sub>2</sub>O<sub>3</sub> in the gel solution, wt%

FIG. 11

Siegel et al. Docket No. 0094.050

Concentration of micron-size Al<sub>2</sub>O<sub>3</sub> in the dry gel film, wt%

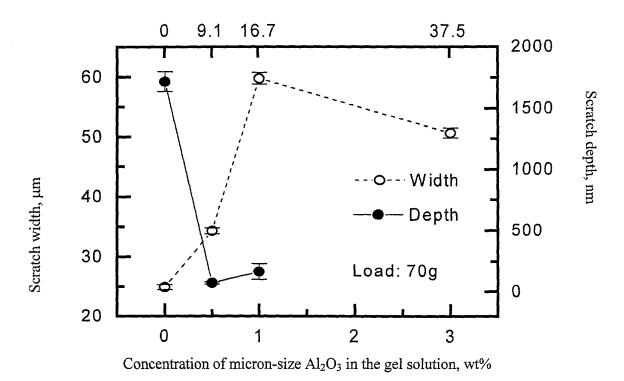


FIG. 12

Siegel et al. Docket No. 0094.050

